ABSTRACT OF DISCLOSURE

An object of the present invention is to provide a motor-driven wheel driving apparatus which can solve the problems of the prior art and improve the durability of the wheel bearing, reduce the weight and size of the apparatus, and make it easy to assemble and disassemble the apparatus. According to the present invention there is provided a motor-driven wheel driving apparatus comprising: a wheel bearing, a planetary reduction gear, and a driving section having an electric motor for driving the planetary reduction gear and a rotation member; the wheel bearing including a hub wheel formed with a wheel mounting flange on its one end, an inner ring press-fitted on a cylindrical portion of the hub wheel and formed on its outer circumferential surface with at least one of double row inner raceway surfaces, an outer member formed with double row outer raceway surfaces on its inner circumferential surface oppositely to the inner raceway surfaces, and double row rolling elements rollably arranged between the inner and outer raceway surfaces; the planetary reduction gear including an input element mounted on the rotation member, a stationary element mounted on the inner circumferential surface of the outer member, a plurality of planetary elements arranged between the stationary element and the input element, and an output element for supporting the planetary elements rotatably relative to a connecting shaft; the driving section forming the electric motor and having a stator housing mounted on the outer member, a stator portion contained within the stator housing, and a rotor portion secured on the rotation member and arranged oppositely to the stator portion via a predetermined air gap; the connecting shaft removably and torque-transmittably connected to the hub wheel and adapted to drive the wheel by transmitting the rotation of the electric motor to the hub wheel via the planetary reduction gear.